Trade and Industrial Education
Course: Introduction to Aerospace
Course Code # 5719
1 Credit

School Year _____

Term:____Fall____Spring

Student:	**Grade:**
Teacher:	**School:**
Number of Competencies in Course:	**28**
Number of Competencies Mastered:	
Percent of Competencies Mastered:	

STANDARD 1.0: Students will demonstrate leadership, citizenship, and teamwork skills required for success in the school, community, and workplace.

Learning Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Exhibit positive leadership skills.		
1.2	Participate in SkillsUSA-VICA as an integral part of classroom instruction.		
1.3	Assess situations and apply problem-solving and decision-making skills to particular client relations in the community and workplace.		
1.4	Demonstrate the ability to work cooperatively with others in a professional setting.		

STANDARD 2.0: Students will trace the history of aviation and how it relates to aviation today.

Learning Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1	Assess the evolution of the aviation industry.		
2.2	Investigate people in history who helped to shape aviation history.		
2.3	Analyze the influence of World Wars I and II on aviation.		
2.4	Research select aircraft.		
2.5	Examine the Jet Age.		

STANDARD 3.0: Students will analyze career opportunities and career paths in the global world of aviation and the regulations governing those careers.

Learning Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Explore the titles, roles, and functions of individuals engaged in aviation careers.		
3.2	Investigate employment opportunities.		
3.3	Examine regulatory requirements affecting aviation careers.		

STANDARD 4.0: Students will relate and apply mathematics and science concepts to aviation.

Learning Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Correlate mathematical operations with aviation technology.		
4.2	Process and interpret data related to aviation.		
4.3	Examine the principles of aerodynamics.		

STANDARD 5.0: Students will analyze important aviation physiological factors and concepts pertaining to aeronautical decision making and judgment.

Learning Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Explore the factors that affect aeronautical decision-making.		
5.2	Explore techniques for enhancing safety in the cockpit by improving pilot judgment and decision making skills.		

STANDARD 6.0: Students will examine airplane systems.

Learning Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Analyze the structure of an airplane.		
6.2	Examine flight instrumentation and power plant operations.		

STANDARD 7.0: Students will demonstrate communication skills required in the aviation industry.

Learning Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	Communicate and comprehend oral and written information typically occurring in the aviation workplace.		
7.2	Solve problems and make decisions using a logical process.		
7.3	Use teamwork skills to accomplish goals, solve problems, and manage conflict within groups.		

STANDARD 8.0: Students will demonstrate interpersonal and employability skills required in the aviation industry.

Learning Expectations	Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
8.1	Infer relationships between work ethics and organizational and personal job success.		
8.2	Demonstrate attitudes conducive to workplace success.		
8.3	Maintain a neat and orderly work area.		
8.4	Assess implications of diversity for communities and workplaces.		
8.5	Exhibit positive employability behaviors.		
8.6	Develop individual time management and work sequencing skills.		

Additional Comments_____